Journal of Materials Science Letters Author Index to Volume 13 (1994)

Abboud, J.H. 457
Abd El Wahed, M.G. 1434
Abe, Y. 960
Abello, L. 1413
Abidin, A.Z. 227
Abou Sekkina, M.M. 37
Adamesku, R. 865
Admaiai, L.F. 668
Adris, T. 1426
Aegerter, M.A. 1081
Aghajanian, M.K. 293
Agnihotry, S.A. 241
Agrawal, D.C. 1017, 1106
Agrawal, D.K. 1015, 1072, 1361
Ahearn, J.S. 1215
Ahila, S. 15
Ahmed, H. 96
Ahmed, M.A. 1500
Ahn, Z.S. 650
Akagawa, Y. 1494
Akatsu, T. 378
Akgün, I. 56, 1780
Akinc, M. 1657
Akinmade, A.O. 91
Al-Achkar, M. 319
Al-Douri, W.A. 1543
Al Ganainy, G. 82
Alecu, I.D. 872
Ali, N.J. 1535
Alman, D.E. 483, 1357, 1608
Alonso, M. 1602
Alves, O.L. 607
Aly, S.A. 1434
Amandi, N. 503
Amendola, E. 126
Amrani, H. 1472
Ananthakumar, S. 731
Ananthapadmanabhan, P.V. 86
Angadi, M.A. 419, 703, 705
Annamalai, V.E. 187
Antolini, E. 1599
Anzaldi, S. 1555
Aoyagi, N. 901
Araki, H. 49, 162, 200, 355, 1528
Arivuoli, D. 263
Aronne, A. 289
Arshad, M. 1198
Asari, E. 1767
Asghar, M. 1426
Ashfold, M.N.R. 247
Ashida, A. 1181
Ashokan, P.V. 1622
Asokan, T. 343, 925
Assis, O.B.G. 1141
Atik, M. 266, 291, 1081, 1301
Austin Suthanthiraraj, S. 185
Avaca, L.A. 1081
Avramov, I. 1367
Awai, I. 1290
Awan, M.S. 741, 1198
Ayad, M.M. 297
Ayral, A. 1538
Azmimi, H.R. 1460

Baba, N. 338
Bae, J.S. 573
Baeslack, W.A., III, 1061
Bahgat, A.A. 826
Bahl, O.P. 579
Bai, K. 806
Balachandran, U. 491
Balagopal, N. 784
Balakrishna, P. 86
Baldan, A. 734
Baleva, M. 3, 65
Bamberger, C.E. 1742
Bamberger, M. 541
Bandeira, I.N. 1051
Bandyopadhyay, S. 817
Banerjee, N. 1443
Banko, A.S. 934
Bansal, N.P. 53, 423
Baran, E.J. 577
Baraton, M.I. 275
Barbieri, L. 180
Barinov, S.M. 183, 208
Barkay, G.B. 541
Barlow, N. 1287
Barnekov, V. 644
Barnes, P. 1232
Barrette, P.D. 1478
Bartges, C.W. 776
Barton, T. 944
Bashir, J. 1440
Basu, D. 447, 1192
Basu, M.K. 332, 447
Basu, R.N. 1582
Baumard, J.-F. 93
Bautista, M.C. 535
Beaudoin, J.J. 115, 477, 1159
Belavič, D. 992
Belorgeot, C. 286
Belyansky, M.P. 1632
Belzunce, F.J. 1778
Ben Rhouma, M. 474
Bensalem, A. 1782
Benson, J.M. 1213
Bensted, J. 1232
Berjoan, R. 1472
Berka, L. 969
Bestgen, H. 487
Betrabet, H.S. 238
Beynon, J. 1144
Bhadra, S.K. 525
Bhar, R. 525
Bharti, N. 1010
Bhatnagar, A.K. 99
Bhattacharyya, S.R. 1192
Bhawalkar, D.D. 222
Bhawalkar, R.H. 241
Bi, J. 1731
Biel, J.P. 293
Bindal, M.M. 73
Biswas, A. 371
Blanzat, B. 1688
Blazina, Z. 767
Bleay, S.M. 663
Blum, F. 1213
Boccaccini, A.R. 1035
Bodnar, I.V. 762
Boer, J. 1111
Bogachevy, G. 566
Bonifaci, L. 1555
Borghesi, A. 432
Borodi, G. 1675
Bosselet, F. 358
Bouaouadja, N. 17, 1691
Bouix, J. 358
Boumaiza, Y. 759
Bourdeau, L. 352
Boyer, A. 301
Bradley, R.H. 105
Bradwell, S.C. 1546
Branover, H. 508
Bransden, A.S. 1086
Bratu, I. 1171
Bravo-León, A. 1169
Braybrook, J.H. 91
Breval, E. 1307
Brewis, D.M. 71
Brokmeier, H.G. 547
Brown, M.S. 1124
Buc, D. 1226
Buck, R.P. 849
Bunescu, M.C. 1222
Bunge, H.J. 547
Burggraaf, A.J. 59
Burkhard, G. 1281
Burtet Fabris, B. 1108
Busca, G. 275
Butt, N.M. 1440
Byrappa, K. 1430

Cai, W. 8, 260
Calka, A. 1428
Calzada, M.L. 1804
Campoy, I. 1095
Candea, R.M. 1675
Cantwell, W.J. 203
Cardile, C.M. 872
Carfagna, C. 126
Carmen Peña, M. 1235
Carmona, F. 1804
Carpenter, G.J.C. 30
Carter, C.B. 1275
Castro Luna, A.E. 1749
Cavin, O.B. 1326, 1657
Cayless, R.A. 71
Chai, F.T. 1506
Chaim, R. 487
Chakraborty, K. 919
Chakravorty, D. 589
Chan, K.S. 1579
Chand, N. 156, 230
Chandorkar, A.N. 222
Chandra, S. 241
Chatterjee, S. 447
Chattopadhyay, A.K. 983
Chaudhuri, A.K. 1443
Chen, C.L. 84
Chen, H.-H. 713
Chen, L.-X. 846
Chen, M. 1243
Chen, T. 1175
Chen, T.-R. 888
Chen, W.R. 658
Chen, Y. 1114, 1208
Chen, Y.A. 1051
Chen, Y.L. 407
Chen, Z. 25, 1243
Cheng, W.S. 1204
Cheng, Y.-B. 1612
Cheynet, M.C. 1413
Chian, K.S. 305
Chien, Y.T. 639, 1416
Cho, K. 326
Cho, S.M. 1573
Cho, T.J. 1465
Cho, Y. 1181
Chockalingam, M.J. 618
Choe, B. 563
Chohan, M.H. 6, 1426
Choi, R. 1249
Choi, W.J. 326
Choi, Y. 323
Chokshi, A.H. 1169
Chopra, R. 73
Choudhary, R.N.P. 1151
Choudhury, K. 310
Chow, J.C.L. 586, 647, 1650
Christopher, C.C. 1616
Chu, W.-Y. 711
Chuah, G.K. 1579
Chuang, S.Y. 1397
Chung, T.Y. 1465
Clout, R. 1121
Colbow, K. 1048
Colin, C. 358
Colque, S. 621
Cooper, J.R. 697
Cordier-Robert, C. 352
Cosofret, V.V. 849
Cot, L. 1538
Coupelle, P. 93
Coutts, R.S.P. 283, 1027
Craft, A. 496
Craft, A.P. 934
Cui, F.Z. 1042
Cui, L.S. 407
Culea, E. 1171

Dafinova, R.M. 528
Daghyani, H.R. 1330
Dahm, R.H. 71
Dai, J.Y. 790
Damodaran, A.D. 491, 554, 731, 784
Dan, T.K. 597
Danyluk, S. 852
Das Gupta, A. 332
Das, S. 453
Date, P.P. 795
Datta, A. 996
Datta, M. 996
Davies, L. 105
Davies, P. 203
Davies, T.J. 1543
Dávila, M.M. 602
Daza, L. 668
de Biasi, R.S. 1476
de Lima Neto, P. 1081
de With, G. 1038
De, A.K. 310
Dean, G.A. 872
Deb, S. 597
Deevi, S.C. 868
Della Vedova, C.O. 577
Delmon, B. 668
Deng, W. 313
Desai, C.F. 512
Després, J.-F. 1645
Desu, S.B. 236
Detellier, C. 895

Diaz, P. 1595
Dimitriev, Y. 1654, 1760
Dimitrov, L. 905
Dimitrov, P. 905
Dimitrov, V. 927, 1484
Din, S.-U. 1004
Ding, B.Z. 521
Ding, H.-Z. 636
Ding, X. 462
Dixon, D.C. 472
Dodd, B. 80
Doghmane, A. 759
Domínguez-Rodriguez, A. 1169
Dong, Q. 1647
Dozsa, L. 693
Dragon, R. 1670
Drăgulinescu, D. 1222
Drasner, A. 767
Drummond, C.H., III 53, 423
Du, Z.L. 647
Dubrujeaud, B. 773
Ďurišin, J. 688
Ďurišinová, K. 688
Durlu, T.N. 1780
Dussani, A. 222
Dusza, J. 131
Dutta, A. 465
Dwivedi, P.K. 1136
Dybkov, V.I. 770

Echigoya, J. 875, 1098, 1775
Edirisinghe, M.J. 1595
Eguchi, K. 494
Eissa, S.A. 826
El-Elshereafy, E. 37
El Hiti, M.A. 1500
El Nimr, C.G. 1500
Eliezer, D. 1591
Eling, V. 690
Emblem, H.G. 1543
Endo, S. 1737
Enoki, H. 1775
Ethiraj, R. 757
Evans, J.R.G. 1642
Evans, J.T. 1551
Evdokimov, V.Yu. 183
Everitt, N.M. 247

Fan, C.G. 1187
Fan, H. 1647
Fang, T.-T. 1746
Fang, Y. 852
Fantozzi, G. 17, 1691
Farouk, H. 1434
Fatou, J.G. 1095
Faulkner, R.J. 1007
Fee, M.G. 1395
Fei, W.D. 1797
Ferber, M.K. 1469
Fernandes, A.A.R. 1476
Fernández, D. 551
Fernández, J. 1195
Ferrante, M. 746, 1141
Fischer, K. 119
Fiset, M. 112
Fitzmaurice, J.C. 1, 1185, 1680
Florián, Š. 1211
Foct, J. 352
Folkes, M.J. 1001
Ford, P.J. 697
Fouad, S.S. 82
Franch, R. 1195
Freer, R. 925
Freischmidt, G. 1027
Frolov, G.I. 1284
Fry, S.A. 912
Fu, C.-T. 1146, 1697
Fu, H.Z. 1066
Fujiishi, Y. 200
Fujiwara, M. 429, 557, 908
Fukuda, K. 1290
Fukuda, Y. 1267
Fukui, T. 413
Fukumi, T. 1727
Fukumoto, M. 656
Fung, P.C.W. 586, 647, 1650
Furuta, S. 1077
Futagami, R.S. 533

Gadelle, P. 1413
Gal-Or, L. 487
Ganesh, R. 1577
Ganesh Sundara Raman, S. 389, 708
Gao, H.K. 1694
Gao, Y. 1694
Gao, Z. 1715
Gao, Z.D. 1104
Garboggini, A. 1118
García, E. 551
Gaskov, A.M. 1632
Gattef, E. 1654
Gautam, K.K.S. 230
Gaynor, J.F. 236
Geng, L. 957
Gerontopoulos, P. 1108
Gertel-Kloos, H. 547
Ghose, D. 1192
Ghosh, A. 589, 1054
Giamberini, M. 126
Gleize, P. 1413
Gochev, G. 566
Goeuriot, P. 530
Gogotsi, Yu. 395, 680
Gokularathnam, C.V. 187
Gomez, M.A. 1095
Gong, B. 1561
Gonzalez-Chi, P.I. 1524
González-Carreno, T. 381
González, P. 551
Goo, E. 1577
Goodwin, F.E. 30
Gordon, D.E. 1397
Gordon, B., III 1390
Górecki, T. 1670, 1757
Goretta, K.C. 852
Goswami, K. 525
Graham, I.D. 754
Graham, C.D., Jr. 697
Grange, P. 621, 668
Grebenkin, S. 865
Greil, P. 977
Griffiths, J. 135
Grigoriu, C. 1222
Grimm, S. 1111
Groen, W.A. 1314
Grubb, D.T. 1720
Grugel, R.N. 1419
Gu, K.F. 1153
Guild, F.J. 10, 629
Guilemany, J.M. 1195
Guizard, C. 1538
Gunji, T. 960
Guo, J.T. 313
Gupta, A.K. 1278
Gurkovsky, S. 985
Gutman, E.M. 633
Habib, K. 690
Hachiuma, Y. 1181
Hadjoub, F. 759
Hadjoub, Z. 759
Hagio, T. 653
Haines, J. 1688
Hamada, H. 1352
Hamidouche, M. 17, 1691
Han, C.-W. 1392
Han, I.K. 326, 563, 898
Han, Y.H. 1272
Hansen, J.S. 1357
Harel, H. 329
Harmer, M.A. 930
Harris, B. 663
Hawk, J.A. 1357
Hayashi, H. 660
Hazra, S. 589, 1054
He, A.Q. 1201
He, Y. 462, 1311
He, Z.H. 957
Hector, A. 1
Hector, A.L. 219
Her, J. 563, 898
Herreyre, S. 1413
Hertzberg, R.W. 1460
Hewett, C.L. 1612
Hill, R. 135
Hillel, R. 1472
Hinkley, J.A. 213
Hinkov, P. 1760
Hintzen, H.T. 1314
Hirai, N. 1751
Hirai, T. 1775
Hirano, K. 1219
Hiratsuka, A. 1267
Hjelt, K. 1570
Hogarth, C.A. 1144
Høier, R. 1789
Holc, J. 992, 1406
Holland, J.R. 675
Hong, B.D. 963
Hong, C.S. 1015, 1072, 1361
Hong, G.G. 469
Hong, K.L. 1149
Hong, L.L. 1101
Hori, M. 413
Hori, T. 404
Hossein, A.A. 1144
Hotovy, I. 1226
Hrovat, M. 992, 1406
Hsiao, B.S. 438
Hu, J. 1797
Hu, Z. 1588
Hu, Z.Q. 521, 1400
Hua, B.J. 280
Hua, F. 1419
Huang, J.Y. 1201
Huang, S.H. 1694
Huang, S.M. 779
Hubbard, C.R. 1326, 1657
Hui, M.J. 1104
Hun, J.L. 1101
Hung, Y.H. 639, 1416
Huntz, A.M. 821
Hwang, N.M. 1437
Hyun, S.H. 177

Ihm, G. 346
Iijima, Y. 1092
Ikeda, A. 258, 883
Ikram, N. 1004
Ikuno, T. 1625
Iliescu, T. 1171
Imai, T. 963
Inoue, M. 787
Inoue, T. 1793
Inui, T. 787
Ioku, K. 533, 765
Ishida, T. 623
Islam, R. 1637
Ito, K. 893
Ito, T. 1181
Itoh, T. 1661
Ivanov, V.G. 451
Iwashita, N. 1056

Jackson, M.J. 754, 1287
Jacobs, E.P. 600
Jaenicke, S. 1579
Jagga Rao, P.S. 253
Jain, A. 1430
Jaklovszky, J. 1222
Jakšić, M. 432
Jaleel, M.A. 1516
Janak, G. 746
Janardhana, M.N. 1027
Janes, R. 700
Jayachandran, M. 386, 618
Jayanna, H.S. 1190
Jayarama Reddy, P. 1045
Jeandin, M. 773
Jeen, G.S. 23
Jerina, K.L. 1387
Jesu Rethinam, F. 263
Ji, X. 159
Jia, D. 1786
Jiang, H. 1007
Jiang, H.G. 521
Jiang, J. 80
Jiang, M.H. 146
Jiang, X. 25
Jiang, X.-G. 711
Jiménez, B. 1804
Jiménez-Melendo, M. 1169
Johnson, G.G., Jr. 1307
Jonsen, D. 496
Joshi, S.K. 156
Joshi, S.R. 77
Juliana, M. 386
Jung, K.H. 1252, 1682
Jung, M. 346
Justo, A. 915

Kaczmarek, J. 1206
Kadim, Y.M. 633
Kagawa, Y. 1403
Kajiwara, M. 842
Kakihana, M. 1564
Kalyanam, J. 107
Kamachi Mudali, U. 142
Kamata, K. 1737, 1793
Kampuš, Z. 80
Kander, R.G. 438
Kang, K.N. 326, 563, 898
Kang, Y.S. 1528
Kapadia, R.D. 983
Karayianni, C. 503
Karbhari, V.M. 1677
Karger-Kocsis, J. 1069, 1422
Karni, N. 541
Kashchieva, E. 1760
Katana, V. 688
Kato, F. 1519
Kato, M. 46, 922
Kato, T. 374
Katsuki, H. 1077
Katzer, D. 1256

Kausch, H.H. 856
Kavecký, Š. 592
Kawai, C. 860
Kawasaki, S. 514
Kaynak, A. 1121
Keizer, K. 59
Kelkar, R.Y. 996
Kelly, P.M. 211
Kelukutty, V.S. 1127
Kelukutty, V.S. 1278
Kennedy, C.R. 293
Kennedy, J.D. 1535
Kesavan Nair, P. 671
Khan, A.M. 1229
Kido, H. 1267
Kim, C.-J. 1703
Kim, C.H. 563, 898, 1349
Kim, D.K. 1349
Kim, G.C. 1487
Kim, H.-E. 1249
Kim, H.-G. 806
Kim, J.E. 898
Kim, J.J. 1573
Kim, K.-D. 89
Kim, K.C. 1252, 1682
Kim, K.T. 1272
Kim, T.H. 989
Kim, T.W. 346, 1252, 1682
Kim, W.-J. 1349
Kim, Y. 326
Kim, Y.G. 1465
Kimura, H. 1164
Kinloch, A.J. 629
Kioul, A. 641
Kirkland, T.P. 1469
Kishan Reddy, N 1516
Kiss, L.F. 693
Kitada, M. 500
Kitajima, M. 1767
Kitoh, R. 1290
Klissurski, D. 1567
Kneip, S. 335
Knight, J. 983
Ko, Y.C. 639, 1416
Kobayashi, K. 103, 1254, 1446, 1533, 1764
Kobayashi, T. 1320
Kojima, Y. 901
Kolar, D. 1406
Komonami, H. 787
Konar, J. 197
Konishi, A. 885
Kosanović, K. 519
Koshy, J. 554
Kostrubiec, F. 34
Kotula, P.G. 1275
Kozdras, T. 1757
Kraan, M.J. 1314
Kriegel, R. 1111
Krishnamurthy, R. 187
Krishnan, K.S. 784
Krishnan, R. 1618
Krustok, J. 1570
Kubota, A. 190
Kubota, K. 1519
Kulig, M. 977
Kumagai, Y. 1786
Kumar, A. 77, 1136
Kumar, D. 1616
Kumar, K.-N.P. 59
Kumar, K.S. 554
Kumar, S. 1136
Kunishinge, A. 1290
Kurihara, N. 1673
Kurokawa, Y. 516
Kusakabe, K. 43, 374
Kusy, R.P. 849
Kutub, A.A. 1157
Kveglis, L.I. 1284
Kwon, S.D. 563
Kynev, K. 566
Kyu, Y.K. 1149

L'Esperance, G. 963
Labeau, M. 1632
Lai, Z.H. 1561
Laird, C. 148
Lakshmanan, A.S. 386, 618
Lam, P.H. 1684
Lamela, M.J. 1778
Lanagan, M.T. 852
Langer, E. 1256
Lao, H. 895
Laoui, T. 1089, 1530
Larena, A. 1235
Lasinski, P. 1370
Lavat, A.E. 577
Le Coustumer, P. 1645
Le Sergent, C. 1513
Leach, C.A. 211
Lee, C.Y. 1204
Lee, H.I. 989
Lee, H.L. 316, 469, 974
Lee, H.M. 974, 1305
Lee, H.S. 316
Lee, H.W. 1349
Lee, J.I. 326, 346, 563, 898
Lee, K.-S. 346
Lee, L.-L. 615
Lee, P.-Y. 888
Lee, S.J. 346
Lee-Sullivan, P. 305
Léger, J.M. 1688
Léon, B. 551
Leonelli, C. 180
Lesin, S. 508
Leung, S. 817
Lewandowski, A. 1608
Li, C. 25, 1797
Li, D.F. 1187
Li, D.X. 790
Li, D.Y. 453, 1354, 1521
Li, H.D. 1042
Li, J. 1246
Li, J.-G. 400
Li, J.H. 1731
Li, S. 1022
Li, V.C. 1800
Li, W. 410
Li, X. 1667
Li, Y. 594, 1588
Li, Y.Y. 1187
Li, Z. 1208
Li, Z.-F. 1720
Liang, J. 1104
Liang, J.C. 1694
Liang, K.M. 1153
Liang, Y. 1588
Lim, H. 563, 898
Lim, K.Y. 346
Limaye, S.Y. 1326
Lin, C.-I. 713
Lin, C.-W. 349
Lindner, E. 849
Ling, X. 105
Linkov, V. 600
Little, M.R. 700
Liu, B.C. 1384
Liu, C. 1740
Liu, D. 443
Liu, D.-M. 129, 1697, 1146
Liu, J. 957
Liu, J.-M. 1699
Liu, L. 462
Liu, M.G. 146, 946
Liu, X. 159
Liu, X.Y. 1694
Liu, Z.G. 1699
Llanes, L. 148
Lo, S.H.J. 30
Loney, N.W. 1237
Looi, H.C. 305
Lopez, F.A. 1602
López, J. 609
Lorenzelli, V. 275
Lovell, P.A. 10
Low, I.M. 1334, 1340, 1354
Loyalka, S.K. 749
Lu, G.Q. 1629, 1709
Lu, X.Y. 1731
Lu, Z.Y. 1032
Lukić, S.R. 1769
Lung, C.W. 313
Luo, H. 256
Luo, W. 1667

Ma, C.L. 1042
Ma, X. 462
Ma, Z.Y. 1731
Mackinnon, I.D.R. 1377
Mädasson, J. 1570
Maeda, H. 43
Magnin, T. 352
Mahidhara, R.K. 1387
Mahmood, F. 96
Mai, Y.W. 1330
Maiti, A.K. 525
Maiti, H.S. 723, 1582
Maitra, S. 538, 1753
Maity, P. 197
Makarov, V. 937
Malaguti, E. 1555
Malhotra, B.D. 1490
Mallory, L.C. 1061
Mandal, K.D. 1616
Mandal, P. 838
Mandal, R.K. 838
Mandal, S. 1054
Manfredini, T. 180
Mangaonkar, S. 225
Mani, T.V. 491
Manimaran, M. 1729
Manna, I. 62
Mannan, S.L. 194
Mansour, S.A.A. 505
Mao, X.M. 1066
Maqsood, A. 741, 1198
Maqsood, M. 741, 1198
Marco, C. 1095
Marella, M. 1108
Marom, G. 329
Martin, J.W. 153
Martin, P. 1317
Martinez, E. 602
Maruyama, K. 1737, 1793
Maruyama, T. 206
Mascia, L. 641
Mashimo, T. 174
Masuda, H. 338
Mathew, M.D. 194
Mathieson, I. 71
Matsumoto, H. 955, 1540
Matsumoto, T. 1800
Matsushima, S. 103
Matsuura, T. 895
Matthews, S.J. 170
May, P.W. 247
McGee, S. 238
McGinn, P.J. 1703
McShane, H.B. 1118
Medina, J. 1602
Mehrtens, E.G. 817
Meng, X.K. 1699
Mentzen, B.F. 358
Meregalli, L. 1108
Merhari, L. 286
Mermoux, M. 1413
Merovich, I.D. 633
Metselaar, R. 1314
Mho, S.I. 1252, 1682
Miagkov, V.G. 1284
Mihailescu, G. 1675
Milea, I. 1171
Millet, P. 1428
Mills, B. 1287
Milne, S.J. 1535
Miloshev, S. 1760
Min, G. 1051
Minamino, Y. 162, 200, 355, 1528
Miremadi, B.K. 1048
Mirza, S.A. 741, 1198
Misono, T. 960
Misra, T.N. 738
Mitose, K. 875
Mitra, N.K. 538, 1753
Mitra, S. 1296
Miu, D. 1222
Miura, H. 46, 922
Miyaji, S. 1352
Miyamoto, Y. 162, 200, 355, 1528
Miyaura, K. 660
Miyawaki, H. 793
Miyayama, M. 719
Mizushima, I. 1764
Mochida, T. 1751
Mohan, A.S. 1121
Mohazzab-H, G. 1340
Moisio, T. 802, 980
Mok, Y.C. 647
Molinas, B. 1108
Molokanov, V. 117
Monthioux, M. 1645
Moon, H.G. 1305
Moon, H.S. 1252, 1487
Moon, Y.T. 1349
Moore, K. 690
Morales, M.P. 381
Moreno, D. 1591
Mori, H. 1727
Mori, T. 46
Morillo, E. 915
Morinaga, T. 1793
Morooka, S. 43, 374
Morsy, A.Y. 82
Moss, A. 496
Motohira, N. 829
Muddle, B.C. 1612
Mujahid, M. 153
Mukherjee, A.K. 1258
Mukherjee, K. 644
Mukherjee, P.S. 1725
Mulay, V.N. 1516
Mumtaz, K. 1775
Murakami, H. 1364
Murakami, Y. 1773
Muralidharan, B.G. 1017

Murphy, B.R. 1346
Murr, L.E. 107
Murty, K.L. 1387
Muscetta, S. 289
Muto, J. 1320
Mzerd, A. 301

Nabar, M.A. 225
Nagae, S. 1482
Nagano, T. 1375
Nagao, M. 891
Nagao, Y. 960
Nakajima, S. 162
Nakamura, K.G. 1767
Nakamura, T. 787
Nakamura, Y. 829
Nallamshetty, K. 419, 705
Nam, S.W. 716, 1270
Nandedkar, R.V. 222
Narda, G.E. 1749
Nasir Khan, M. 1440
Nath, M. 1010
Nathan, M. 1215
Nauman, E.B. 465
Navrátil, V. 1179
Nawaz, M.B. 725
Nayar, R.K. 73
Němec, P. 1179
Nemska, S. 1567
Nesbit, S. 496
Newnham, R.E. 799
Ni, Y. 283
Nicholas, M.G. 1497
Nicholson, J.W. 91
Ning, X.G. 1731
Ninham, B.W. 1428
Nishi, Y. 1519, 1751
Nishio, K. 338
Nishioka, M. 765
Nishizawa, H. 533
Nishizawa, K. 829
Noda, T. 49
Noh, S.K. 346
Noma, T. 190
Nomura, Y. 1503
Norby, T. 1789
Norian, K.H. 569, 1012
Norton, M.G. 1275
Novak, I. 1211
Novgorodov, V. 137
Numazawa, T. 1164
Nussler, R. 690

O'Brien, M.H. 1240
Ogasawara, T. 404
Oguri, K. 1519, 1751
Ogwu, A.A. 1543
Ohfuji, T. 1098
Ohmoto, K. 1229
Ohmura, S. 1281
Ohshima, K. 361
Ohta, S. 429, 557, 908
Ohtake, K. 1564
Oka, K. 1454
Okada, A. 404
Okada, G. 103
Okane, I. 656
Ondracek, G. 89
Orange, G. 1691
Orolínová, M. 688
Osmani, H. 17, 1691
Ota, H. 516
Ota, T. 369, 393
Otaki, H. 1267
Oteo, J.L. 535
Otsu, H. 787
Otsuka, Y. 1482
Ozawa, M. 435

Pabi, S.K. 62
Padmanabhan, K.A. 389, 708, 795
Page, T.F. 1551
Pai, B.C. 1127, 1278
Pal, P. 738
Pan, J. 427, 1132, 1585, 1667, 1731
Panfilov, P. 137, 865
Papadimitriou, L. 693
Parashar, V.K. 579
Park, D.S. 716
Park, H.L. 326, 563, 1252, 1487, 1682
Park, H.Y. 23, 898
Park, J.H. 650
Park, N. 1252, 1682
Park, S.-M. 378
Parkash, O. 1616
Parker, M.J. 700
Parkin, I.P. 1, 219, 1185, 1680
Partridge, P.G. 247
Parya, T.K. 1753
Patil, K.C. 1712
Pearson, R.A. 1460
Pedregosa, J.C. 1749
Peev, K. 112
Peinado, F. 609
Pelova, V. 566
Peng, S. 1715
Perera, D.S. 1334
Pérez-Amor, M. 551
Pérez-Rodríguez, J.L. 915
Pernice, P. 289
Perumal, P. 731
Pesheva, Y. 1567
Peteves, S.D. 1497
Petrov, L. 905
Petrović, A.F. 1769
Petrović, D.M. 1769
Petty, A.V. 1608
Peub, N. 1111
Phani, K.K. 310
Pheonix, S.L. 1720
Phillips, B.R. 930
Phillips, D. 1061
Phillips, N.J. 1535
Phillips, R.J. 1395
Piacente, V. 1343
Pillai, R.M. 1127, 1278
Pillai, S.G.K. 1278
Pilling, J. 950
Ping, G. 115, 477, 1159
Ping, X. 115, 477, 1159
Pinto, G. 1235
Pitts, J. 1608
Pivac, B. 432
Plawky, U. 863
Pletka, B.J. 1346
Plummer, C.J.G. 856
Ponomarev, V.F. 183
Ponzi, M.I. 1749
Posada, J.L. 813
Pou, J. 551
Poumellec, B. 1513
Prabhakar Rao, P. 731
Pramanik, P. 365
Prasad, K.V.R. 215
Prasad, P.B.S.N.V. 15
Prasada Rao, A.V. 253, 1381
Pratap, A. 77
Predebon, W.W. 1346
Prosser, W.H. 213
Pyun, S.I. 573, 1305

Qi, M. 407, 966
Qi, P. 846
Qi, Z. 462, 1311
Qian, Y. 1243
Qiu, J. 885
Quintard, P. 286

R'kha, C. 266
Radojević, B.B. 117
Radulovic, M. 112
Raicheff, R. 927
Rajeswari, S. 142
Raju, K.S. 1706
Ralph, B. 1595
Ram, M.K. 1490
Rama Rao, K. 253
Ramakrishnan, P. 86
Raman, V. 579
Ramanan, A. 1106
Ramasamy, P. 263, 1729
Ramasamy, S. 40, 263
Ramesh, N. 757
Rao, D.R. 1637
Rao, U.R.K. 879
Rashid, S. 1232
Rashmi, -. 241
Ratnaraj, R. 678, 1124, 1395, 1664
Ravanetti, G.P. 1555
Ravi Kumar, V. 1558
Ravikumar, D. 971
Ravikumar, K.K. 1278
Ravindranathan, P. 1015, 1072, 1361
Rawers, J.C. 1357, 1608
Rawlings, R.D. 211
Ray, K.K. 919
Rebeiz, K. 496
Rebeiz, K.S. 934
Reddy, K.T.R. 1045
Reddy, P.S. 1045
Rego, C.A. 247
Reid, C.G. 1497
Rhee, K.Y. 613
Rhee, S.-W. 323
Riabkina-Fishman, M. 1337
Rice, R.W. 1261, 1408
Risse, G. 119
Ritter, C. 547
Rivere, A. 1513
Rives, V. 1567
Robin, A.I. 253, 1381
Rocaniere, C. 453
Rodriguez, P. 194
Roig, A. 602, 609
Roques-Carmes, C. 474
Rose, A. 1001
Rosenberg, G. 1390
Rosola, I.I. 1769
Rosser, K.N 247
Rowe, D.M. 1051
Roy, J.-F. 530
Roy, K. 538
Roy, R. 1015, 1072, 1361
Roy, S.K. 371
Roy, S.N. 1582
Rubio, J. 535
Rujijanagul, G. 165
Rumyantseva, M.N. 1632
Rüssel, C 20
Ruys, A.J. 1323
Saha, D. 723
Sahar, M.R. 227, 1640
Sahling, O. 977
Sainz, E. 1602
Saitoh, H. 1092, 1793
Šajgalík, P. 131
Saji, S. 162, 200, 355
Sakaguchi, T. 1727
Sakai, S. 341
Sakakihara, H. 1056
Sakata, T. 1727
Saksena, M.P. 77
Salah, S.H. 826
Samanta, A. 1753
Samantaray, B.K. 1443
Sambasiva Rao, K. 253, 1381
Sammes, N.M. 678, 1124, 1395, 1664
Sampath Kumar, P. 671
Samuneva, B. 1484
Sanchez, A. 1778
Sánchez-Soto, P.J. 915
Sanderson, R.D. 600
Sandor, Sz. 693
Sandu, V. 1222
Sanjeevi, R. 684
Sarkar, B.K. 597
Sarkar, J. 835
Sarkar, S.K. 983
Sasaki, G. 1737
Sasaki, H. 1254, 1519, 1751
Sasaki, M. 765
Sasikala, G. 194
Sastry, M.S. 1616
Sastry, S.M.L. 1387
Sati, R. 1151
Sato, A. 922
Sato, M. 1164
Sato, T. 516
Sato, Y. 1494
Satou, N. 1229
Satyanarayana, K.G. 1127, 1278
Saunders, G.A. 697
Saunders, S.R.J. 551
Savransky, S.D. 451
Sawada, Y. 1056
Sawaoka, A. 1281
Saxena, N.S. 77
Sayah, D. 301
Scardala, P. 1343
Schläfer, U. 119
Scholl, H. 602
Scott, C.G. 319
Scott, V.D. 663
Šebo, P. 592
Sen, A. 723, 971
Sen, P.S. 332
Sen, S. 738
Senin, H.B. 697
Serfoso, G. 693
Serna, C.J. 381
Seshadri, S.K. 15
Shabbir, G. 741
Shanmugham, S. 1326
Shao, Z.S. 146
Sharma, A. 123
Sharma, C.L. 1010
Sharma, P.K. 1106
Sharma, S. 1151
Shaw, B.A. 1551
Shemilt, J.E. 1546
Shen, J. 1208
Shen, N.F. 1384
Shen, Y. 1647
Shenk, J. 496

Shevchenko, V.Ya. 183
Shi, C. 234
Shi, C.X. 245, 1187
Shi, G.X. 1384
Shi, X. 1709
Shiau, F.-S. 1746
Shigemoto, N. 660
Shimamoto, T. 1451
Shin, B.-C. 719
Shindo, Y. 1775
Shinozaki, M. 940
Shintani, H. 1229
Shioyama, H. 1056
Shoda, K. 1290
Shonaike, G.O. 1352
Shong, X. 1588
Shu, K.-M. 1146
Sibieude, F. 1472
Siddiqui, A.A. 1546
Siddiqui, S.A. 741, 1198
Siddiqui, S.S. 512
Sikand, R. 1278
Siligardi, C. 180
Simpson, S.A. 1323
Singh, B.P. 73
Singh, R. 810
Singh, R.K. 744
Singh, V. 810
Singh Raman, R.K. 1618
Singhal, S.K 73
Sinha, M.K. 332, 447
Sinha, N.K. 1478
Sinka, V. 746, 1141
Sinn, E. 1058
Sirera, R. 1804
Sivakumar, M. 142
Skala, R.D. 1334, 1340, 1354
Smit, I. 519
Smith, R.G. 293
Smith, S.M. 813
Smy, T.J. 101
Šoba, S. 992
Soliman, H.S. 82
Soman, T. 1278
Somanathan, N. 684
Song, J.H. 1642
Song, L. 256
Song, Q.H. 521
Song, S. 1007, 1717
Song, S.R. 177
Song, Y. 1252
Song, Y.G. 1487
Sornakumar, T. 187
Sorrell, C.C. 817, 1323
Sova, M. 969
Spasov, L. 905
Spencer, S.J. 551
Sravani, C. 1045
Sreepathi Rao, S. 1771
Sreerama Murthy, J. 1558
Srinavasan, S. 365
Srinivas, V. 107
Srinivasa Rao, H. 1278
Srivastava, O.N. 838
Srivastava, S.K. 832, 1136
Srnanek, R. 1226
Stander, C.M. 1213
Staneva, A. 1654
Stark, G. 487
Stead, R.J. 872
Štefánik, P. 592
Stefanov, P. 1567
Steinsvik, S. 1789
Stevens, G.T. 817
Stinton, D.P. 1326
Stone, H.E.N. 250
Stoychev, D. 985
Stubičar, M. 519
Su, X.A. 1694
Subba Rao, U.V. 1771
Subotić, B. 519
Subramanyam, S.V. 1190
Sugiyama, S. 660
Suh, J. 1272
Sui, G. 234
Sujatha Devi, P. 1582
Sukekawa, M. 1625
Sukumaran, K. 1278
Suleman, M. 96, 1004
Sumida, T. 1625
Summerscales, J. 912
Sun, C. 1740
Sun, L. 1022
Sun, W.Y. 560, 1510
Sun, Z. 802, 980
Sundar, V. 799
Sundaresan, N.S. 1490
Sunil Kumar, C. 784
Surappa, M.K. 835
Suresh, K. 1712
Suthanthiraraj, S.A. 1139
Sutherland, I. 71, 105
Suto, H. 1098
Suzuki, H. 49, 68, 393
Suzuki, S. 435, 1058
Suzuki, T. 190
Swaanen, P. 1314
Swaminathan, K. 971
Sweegers, N. 1038
Szpunar, J.A. 453, 1521

Tadić, T. 432
Taguchi, H. 891
Taguchi, R. 1320
Taira, M. 68, 425, 480, 793, 1229, 1494, 1503
Takadoum, J. 474
Takagi, H. 1077
Takahashi, J. 162, 200
Takamori, M. 206
Takasu, Y. 1773
Takeuchi, N. 1267
Talapatra, D. 525
Talbot, P.C. 1377
Tamaru, K. 893
Tamura, H. 1281
Tanabe, S. 1540
Tanabe, Y. 378, 1281
Tanaka, H. 494, 545
Tandon, R.P. 253, 810, 1381
Tang, Y. 1022
Tanji, H. 1673
Tao, X.T. 146
Tao, Z. 1132, 1585
Tarr, N.G. 101
Tashiro, S. 174
Tatsu, Y. 270
Tatsumi, K. 1056
Taya, M. 875
Tayal, M. 644
Tedenac, J.C. 301
Terai, R. 885
Thanigaimini, V. 703
Theunissen, G.S.A.M. 1370
Thevenot, F. 530
Thom, A.J. 1657
Thomas, R.M. 247
Tian, W. 260
Tien, T.C. 1019
Tiwari, R.S. 838
Tobias, B.C. 283
Toda, K. 206, 341
Tomioka, H. 960
Tomlinson, W.J. 170, 675, 1086
Tompson, R.V. 749
Tonejc, A. 519
Tonejc, A.M. 519
Tong, H.Y. 521
Tong, X.C. 1384
Topfer, J. 1111
Torii, Y. 1364
Toriumi, M. 1451
Toth, J. 693
Toyooka, H. 68
Tozawa, Y. 963
Tregub, A. 329
Tremblay, A.Y. 895
Trezza, M. 577
Trigg, M.B. 1612
Trontelj, M. 937
Tsai, D.-S. 615
Tsai, J.-S. 272, 1162, 1448
Tsai, S.C. 821
Tsirlin, M. 508
Tsotsis, T.K. 1635
Tsuchiya, S. 1773
Tsugeki, K. 43
Tsuzuki, A. 1364
Tsyrelchuk, I.N. 762
Tuan, W.H. 658, 1019
Tuncheva, V. 3, 65
Tunkasira, T. 165
Turlik, I. 1387
Turrillas, X. 1232
Tyagi, A.K. 752, 1618
Tzvrtkova, P. 1484

Uchida, H. 429, 557, 908
Udaka, H. 103
Ueda, T. 656
Uematsu, K. 1281
Unsworth, J. 1121
Upadhyaya, R. 1127
Ural, K. 383

Vadjikar, R.M. 222
Valach, J. 969
Van Delft, F.C.M.J.M. 1370
Van Der Biest, O. 1089, 1530
Varatharajan, K. 1618
Varga, J. 1069
Varma, H.K. 491, 731
Varma, K.B.R. 215
Varma, S.K. 107
Vassiliou, P. 503
Vasudevan, R. 15
Veeraiah, N. 1558
Veith, M. 335
Venketachalam, S. 222
Venu Gopal Rao, G. 99
Verges, R. 1472
Verma, R.K. 438
Viala, J.C. 358
Vicente, F. 602, 609
Victorov, I.A. 762
Vidyadharan Pillai, P.K. 1725
Vighi, M. 1555
Vijayakumar, K.P. 1725
Vijayalakshmi Rao, R. 1622
Vijayaraghavan, T.V. 1782
Vijh, A.K. 151
Vilaplana, J. 609
Viña, J. 1778
Virro-Nic, P. 950
Viswanath, R.N. 40
Viswanathan, A. 185, 1139
Vlakhov, E. 1654
Vleugels, J. 1089

Wacke, S. 1670
Wada, S. 190
Wakai, F. 1375
Wakasa, K. 258, 416, 728, 883, 1177, 1229, 1494, 1503
Walczak, M. 34
Wang, A.C. 1187
Wang, C. 1667, 1740
Wang, D.Z. 957
Wang, H.M. 1400
Wang, J. 256
Wang, J.L. 1506
Wang, J.M. 280
Wang, J.N. 1451
Wang, P.L. 560, 1510
Wang, S.H. 313
Wang, T.G. 1419
Wang, T.M. 1246
Wang, X. 1317
Wang, Y. 25
Wang, Y.-Q. 245
Wang, Y.G. 1789
Wang, Z. 256, 427, 1022, 1132, 1585, 1667
Wang, Z.-M. 245
Wang, Z.C. 1733
Wani, B.N. 879
Wanklyn, B.M. 1706
Warrier, K.G.K. 491, 731, 784
Warris, J. 96
Watanabe, Y. 922
Wei, B.Q. 1104
Wei, Z. 1806
Weitsman, Y. 1635
Wen, H.B. 1042
Wen, T.L. 1032
Wendrock, H. 119
Weng, J. 159
Wenig, W. 863
Wereszczak, A.A. 1469
West, D.R.F. 457
Westwood, S.M. 767
Whitley, J.Q. 849
Willey, R.J. 275
Willis, B.T.M. 1440
Winterton, S.S. 101
Wolska, E. 1206
Wolski, W. 1206
Wu, C. 690
Wu, C.J. 272
Wu, D.H. 1104
Wu, F. 256
Wu, H.C. 1800
Wu, H.F. 582
Wu, J. 1330
Wu, J.K. 84
Wu, L. 25
Wu, L.L. 582
Wu, N.-T. 1746
Wu, R. 260
Wu, T. 1715
Wu, Y.K. 1201
Wu, Z.C. 1699

Xhao, X. 1187
Xi, D.L. 1066
Xi, T. 1717

Xia, Y. 443
Xiao, G. 280
Xiao, J. 25
Xiao, J.-M. 711
Xing, X.-S. 636
Xiong, L.Y. 313
Xu, D. 146
Xu, S. 1629
Xu, Z. 1032

Yadava, Y.P. 554
Yahikozawa, K. 1773
Yamada, T. 1403
Yamaga, T. 1494
Yamai, I. 369, 393
Yamaka, M. 1494
Yamaki, M. 68, 258, 416, 425, 480, 728, 793, 883, 1177, 1229, 1503
Yamamoto, M. 1793
Yamamoto, N. 1181
Yamamura, S. 270
Yamanaka, T. 514
Yamane, H. 1352
Yamane, T. 162, 200, 355, 1528
Yamasaki, N. 533, 765
Yan, D.S. 560, 1510
Yan, F. 115, 477, 1159
Yan, S. 43
Yanagida, H. 719, 829
Yanagisawa, K. 765
Yang, B. 594
Yang, C.Z. 779
Yang, D.Z. 407, 966
Yang, H. 256
Yang, J.S. 280
Yang, K. 1187
Yang, Q. 25
Yang, W. 443
Yao, C.K. 957, 1797
Yao, M. 443
Yao, W. 1311
Yaparpalvi, R. 749
Yashima, M. 1564
Yasuda, E. 378
Yasumoto, M. 206
Yazawa, T. 270, 494
Ye, H.Q. 790, 1201
Ye, L. 1330, 1684
Yeh, J. 1390
Yermakov, A. 137, 865
Yin, D.F. 946
Yokoyama, M. 369
Yoo, P.K. 23
Yoon, D.Y. 1437
Yoon, Y.C. 1270
Yoshida, H. 355, 653
Yoshida, M. 1673
Yoshida, Y. 258, 883
Yoshimura, M. 395, 680, 1564
Yoshio, T. 1454
Yoshioka, H. 891
You, Y.C. 1487, 1682
Young, R.J. 10, 1524
Young, V.Y. 813
Yu, J.Q. 1694
Yu, Z. 1717
Yu-Quan, S. 1733
Yuan, D.R. 146
Yuan, Z. 1717
Yue, C.Y. 305
Yue, L.P. 1311
Yvanova, Y. 1484

Zahavi, J. 1337
Zahneisen, R. 20
Zaki, M.I. 505
Zakouji, T. 1519, 1751
Zaprianova, V. 927
Zarbin, A.J.G. 607
Zarzycki, J. 266, 291, 1081, 1301
Zelin, M.G. 1258, 1457
Zhang, B. 1806
Zhang, C.B. 1561
Zhang, C.S. 8
Zhang, G.J. 790
Zhang, H. 1667
Zhang, H.-T. 846
Zhang, H.B. 1042
Zhang, H.G. 1104
Zhang, J. 427, 1048, 1132, 1585, 1667
Zhang, J.H. 1104
Zhang, M. 1243
Zhang, N. 146
Zhang, R. 443
Zhang, T. 1647
Zhang, X. 159, 1717
Zhao, J. 1246
Zhao, J.L. 1694
Zhao, L. 1667
Zhao, L.C. 8
Zhao, Q.L. 1293
Zhao, Y.Q. 946
Zheng, F. 1588
Zheng, Z.Q. 946
Zhigalov, V.S. 1284
Zhou, B. 234
Zhou, B.-L. 245
Zhou, C. 234
Zhou, G. 1243
Zhou, J.-J. 846
Zhou, S. 1667
Zhou, Y. 1089
Zhu, H.-S. 636
Zhu, M. 407, 966
Zhu, W.H. 560, 1510
Zhu, Y. 1243
Zhu, Y.Q. 1104
Zhuang, S. 1740
Zhuang, Y. 410
Zok, F. 940
Zsiga, Z. 474
Zsoldos, E. 693

Journal of Materials Science Letters Subject Index to Volume 13 (1994)

Abrasion 230
Abrasion resistance 112
Abrasives 1287
ABS resins 1352
Absorption (energy) 286, 1144
Absorption (material) 270
Acetal resins 856
Acetates 1211, 1482
Acicular structure 361, 1742
Acoustic emission testing 211, 213, 438
Acoustic microscopy 759, 1551
Acrylonitrile butadiene resins 1460
Activated sintering 650
Activation energy 37, 194, 1157, 1437, 1454, 1637
Activation temperature 566
Adhesive bonding 280, 349, 1240
Adhesive joints 1240
Adhesive strength 197
Aerosols 749
Ageing (artificial) 383, 525, 776, 1187
Aggregates 115, 1760
Agitation 1106, 1127
Air 135, 1573
Air flow 1045
Alcohols 940
Alignment 1141
Alloy powders 868, 888
Alternating current 573
Aluminates 1222, 1232
Aluminides 1357
Aluminium 23, 30, 101, 153, 234, 245, 313, 349, 358, 457, 541, 547, 592, 609, 728, 744, 746, 773, 919, 969, 1114, 1118, 1179, 1195, 1307, 1357, 1397, 1400, 1528, 1561, 1667, 1717, 1733, 1740
Aluminium base alloys 25, 80, 170, 250, 383, 427, 443, 453, 582, 716, 754, 773, 776, 835, 901, 946, 957, 963, 971, 1022, 1027, 1061, 1086, 1092, 1127, 1215, 1278, 1296, 1384, 1731, 1797, 1806
Aluminium chloride 1077
Aluminium compounds 53, 180, 183, 332, 423, 660, 754, 762, 905, 1361, 1608, 1731
Aluminium fluoride 885
Aluminium gallium arsenide 326
Aluminium garnet 1164
Aluminium nitride 43, 293, 425, 480, 530, 621, 977, 1275, 1349
Aluminium oxide 170, 208, 316, 343, 404, 413, 435, 447, 462, 469, 487, 491, 494, 519, 530, 538, 573, 597, 621, 650, 713, 725, 784, 787, 817, 872, 895, 950, 1035, 1038, 1089, 1146, 1149, 1215, 1249, 1261, 1272, 1307, 1323, 1334, 1346, 1354, 1370, 1375, 1546, 1602, 1697, 1764, 1775
Aluminous refractories 343, 1543
Ammonium fluoro complex compounds 879
Ammonium nitrate 983
Amorphous materials 1769
Amorphous structure 407, 671, 927
Anabaseine 206
Anisotropy 1657
Annealing 326, 1226, 1246, 1775
Anodes 1124
Anodic polarization 289
Antimony 241, 1387, 1654
Antimony compounds 607, 1395, 1500, 1519, 1751
Antimony telluride 301
Antiparticles 40
Apatite 883
Aqueous electrolytes 1670
Aramid fibre reinforced plastics 582
Aramid fibres 305, 930
Argon 1132
Aromatic compounds 146, 960
Arsenates 225
Arsenic compounds 1769
Arsenic selenide 451
Austenite 1213
Austenitic stainless steels 107, 142, 194, 260, 289, 352, 389, 429, 557, 802, 908, 980, 1081, 1270, 1301, 1305, 1497, 1595
Azo polymers 1434

Bainite 1506
Ball milling 519, 623, 650, 966
Bamboo 283
Band theory 56, 365
Barium aluminium silicate 53, 423
Barium compounds 119, 335, 577, 586, 647, 668, 693, 700, 752, 1019, 1108, 1222, 1337, 1340, 1650, 1654, 1703, 1746
Barium fluoride 799
Barium magnesium aluminium silicate 180
Barium nitrate 190, 1419
Barium oxide 1533
Barium praseodymium titanate 1290
Barium silver lanthanum niobate 1381
Barium silver praseodymium niobate 1381
Barium titanate 165, 190, 806, 1038, 1290, 1392
Barium zirconium phosphorus silicate 1326
Basswood 644
BCC metals 1440
Bearing steels 1506
Bend strength 183, 447, 469, 530, 653, 1287, 1661
Beta rays 1426
Bias voltage 1793
Bicrystals 1195
Binary systems 162, 200, 355, 566, 738, 1010, 1139, 1144, 1290, 1419, 1487, 1528, 1760
Bismuth 1136
Bismuth antimony lead oxide 1395
Bismuth compounds 225
Bismuth lead antimony strontium calcium cuprate 1519
Bismuth lead strontium calcium cuprate 135, 554, 741, 875, 1198, 1751
Bismuth oxide 37, 400
Bismuth ruthenium oxide 992
Bismuth strontium calcium cuprate 241, 594, 826, 852, 1582
Bismuth telluride 301
Bismuth vanadate 215
Blast furnace slags 1602
Blends 1538
Blistering 305
Blood sacs 1390
Body centered cubic lattice 966, 1311
Boehmite 519, 1077
Bonding strength 1375
Borates 1157, 1171, 1731, 1797, 457, 1261
Boron 99, 313, 371, 521, 557, 690, 746, 754, 779, 927, 1141, 1208
Boron carbide 1516
Boron compounds 754, 1254, 1446
Boron nitride 73, 425, 480, 653, 1413
Boron oxide 1760
Borosilicate glasses 494, 1367, 1403, 1484
Brasses 1195
Brazed joints 1497
Brazing 472
Brazing alloys 1497
Brittle fracture 208
Bromides 71
Bromination 305
Buckling 1800
Buffer layers 1222
Bulging 1733
Bulk modulus 514, 629

Cadmium 77, 263, 693, 1051, 1585
Cadmium antimony oxide 607
Cadmium bismuth thorium arsenate 225
Cadmium chalcogenides 1727
Cadmium compounds 1151, 1206, 1637
Cadmium germanium arsenide 1729
Cadmium oxide 1045, 1647
Cadmium stannate 618
Cadmium sulphide 319, 893
Cadmium tin oxide 386
Caesium manganese iron fluoride 1706
Caesium oxide 89
Calcium aluminate cement 1232
Calcium aluminium silicate 663
Calcium compounds 135, 241, 554, 594, 741, 826, 852, 875, 977, 1198, 1252, 1519, 1582, 1612, 1751, 1782
Calcium fluoride 799, 1267
Calcium lead titanate 1804
Calcium magnesium aluminium silicate 180
Calcium oxide 227, 494, 1408, 1416, 1564, 1602
Calcium phosphate 1503
Calcium silicate hydrate 1058
Calcium titanate 1451
Calcium zirconium phosphate 129
Cantilever beams 613
Capacitance 832, 898, 1254, 1533
Capacitance voltage characteristics 1764, 1446
Capacitors 1764
Carbides 1261
Carbon 123, 323, 378, 410, 432, 557, 592, 592, 621, 690, 713, 1281
Carbon fibre reinforced plastics 438, 105, 203, 213, 329, 829, 1001, 1027
Carbon fibres 245, 272, 374, 1162, 1278, 1448, 1677
Carbon membranes 600
Carbon microtubules 1104
Carbon monoxide 719
Carbon steels 15, 260, 289, 795, 1618
Carbonitrides 790, 1530
Carbonizing (combustion) 272
Carrier mobility 1673
Casein 684
Castability 883, 1503
Casting 1323
Casting alloys 250
Castings 1127
Catalysis 197, 374, 1111, 1540
Catalyst supports 1579
Catalysts 435, 713, 1056, 1567, 1749
Cations 270, 569
Cavitation 1240, 1733
Cavitation erosion 170
Cellular structure 1457
Cellulose 1235
Celsian transformations 423
Cemented carbides 17

Cements 283, 477, 609, 1159, 1232, 1800
Ceramic coatings 159
Ceramic fibre reinforced ceramics 663
Ceramic fibre reinforced plastics 1720
Ceramic fibres 247, 395, 680, 905, 1645
Ceramic matrix composites 208, 1219, 1334
Ceramic moulds 416
Ceramic powders 165, 174, 177, 219, 316, 323, 371, 410, 607, 713, 1015, 1072, 1101, 1349, 1361, 1454, 1647, 1746
Ceramics 472, 1035, 1577
Cerium 1682, 1717
Cerium compounds 879, 1032
Cerium dioxide 1144
Cerium oxide 187, 784, 846, 1408
Cerium sulphide 1680
Cermets 335, 790, 1124, 1530, 1691
Chain scission 197
Chalcogenides 77, 451, 1136, 1675, 1727, 1769
Characterization 275
Charge constant 810
Charge transfer 103, 297, 738
Charge trapping 563
Chemical analysis 115
Chemical attack 1301
Chemical bath deposition 1725
Chemical bonds 313, 1281, 1484
Chemical composition 1159, 1352
Chemical equilibrium 297, 323
Chemical vapour deposition 43, 49, 326, 335, 551, 563, 860, 898, 1204, 1281, 1437, 1793
Chemisorption 895
Chlorides 289, 1056, 1208, 1252, 1139, 1664
Chrome-magnesite refractories 1543
Chromates 341, 1139, 1664
Chromite refractories 505
Chromium 151, 153, 263, 419, 457, 705, 728, 787, 821, 1061, 1400, 1476, 1528
Chromium carbide 1146, 1219, 1697
Chromium compounds 767, 821, 1434, 1567
Chromium molybdenum vanadium steels 1625
Clay (material) 1287
Cleaning 280
Cleavage 711, 1256
Closed die forging 80
Coating 1608
Coatings 985
Cobalt 17, 263, 355, 500, 690, 1195, 1400, 1530, 1691, 1699
Cobalt base alloys 927, 1284
Cobalt compounds 6, 767, 891, 1426, 1434
Cobalt disilicide 96
Cobalt magnesium oxide 1451
Cobalt nickel antimony ferrite 1500
Cobalt oxide 219, 589
Coercive force 256, 361
Cold isostatic pressing 1141, 1709
Collagen 1042
Colloidal gels 1538
Colour 1448
Columnar structure 1618
Combustion 371
Combustion synthesis 1712
Comminution 407, 688, 1428
Compacting 93
Compatibility 1215
Complex compounds 6, 297, 738, 1426, 1434, 1564
Composite materials 316, 573, 602, 618, 895, 1149, 1215, 1697
Compressing 865
Compressive properties 142
Compressive strength 1159
Compressive stress 1519
Computer simulation 465, 1629, 1709, 1760
Concretes 115
Conduction 1697
Contact angle 400
Cooling rate 119, 856, 1213
Copper 25, 93, 103, 117, 123, 148, 151, 162, 419, 508, 547, 688, 705, 728, 776, 946, 966, 985, 1056, 1092, 1179, 1201, 1278, 1281, 1591, 1632, 1733
Copper aluminium indium selenide 762
Copper arsenic selenium iodide 1769
Copper base alloys 23, 25, 46, 62, 547, 728, 922, 1465, 1667, 1699
Copper compounds 253, 647, 1434
Copper indium selenide 1181, 1570, 1725
Copper iodide 185, 1139
Copper oxide 719, 1157
Copper selenide 1343
Copper sulphate 1757
Copper sulphide 319
Corrosion 508, 1482, 1573
Corrosion fatigue 940
Corrosion potential 289, 927, 1573
Corrosion rate 260, 1454
Corrosion resistance 43, 266, 728, 1081, 1118, 1516
Corundum 519
Coupling coefficient 810
Crack closure 404
Crack initiation 708, 711, 957, 1422, 1551
Crack propagation 131, 211, 443, 613, 636, 658, 817, 846, 1089, 1219, 1256, 1422, 1460
Creep (materials) 1169, 1258, 1625
Creep life 734, 1270
Creep rate 1451, 1469
Creep rupture strength 332, 557, 908
Creep strength 429, 734
Critical current (superconductivity) 1654
Crystal defects 313
Crystal growth 119, 146, 301, 741, 1582, 1729
Crystal structure 49, 53, 65, 329, 525, 671, 983, 1235, 1521, 1749, 1760
Crystallization 99, 117, 151, 310, 525, 615, 653, 660, 680, 765, 856, 863, 888, 1001, 1010, 1054, 1069, 1246, 1361, 1588, 1727
Crystals 1042
Cubic lattice 381, 1595, 1688
Cuprates 119, 135, 241, 554, 586, 594, 668, 693, 700, 741, 826, 852, 875, 1019, 1108, 1198, 1222, 1337, 1340, 1519, 1582, 1650, 1654, 1703, 1751
Curie temperature 256, 746, 1206, 1712
Curing 126, 842, 1229, 1494
Current density 731
Current voltage characteristics 297, 386, 738, 832, 937, 1136, 1157, 1637
Cyclic loads 148

Damage 438, 1422
Debonding 203, 675
Decomposition reactions 1, 1185
Defects 1457
Deformation 633
Dehydration 538
Delaminating 443
Dendritic structure 119, 734, 1742
Densification 725, 1543
Density 165, 180, 227, 283, 653, 765, 784, 806, 810, 875, 885, 1051, 1314, 1361, 1500, 1664, 1673, 1709
Density of states 1136
Dental alloys 416
Dental cements 91
Dental materials 68, 258, 425, 480, 793, 883, 1229, 1494, 1503
Deposition rate 1793
Depth profiling 427
Descaling 1465
Design 245
Devitrification 1602
Diamond polishing 708
Diamond pyramid hardness 425, 503, 1089, 1179, 1497
Diamonds 247
Die swell 1622
Dielectric constant 65, 156, 253, 491, 810, 842, 1151, 1381, 1558, 1577, 1616
Dielectric cure monitoring 633
Dielectrics 1290
Differential scanning calorimetry 77, 1095, 1177
Differential thermal analysis 868, 1010, 1106
Diffusion 319, 432, 770, 821, 1476, 1632
Diffusion rate 1635
Diffusion welding 1375
Diffusivity 1390
Dilithium oxide 1599
Dilution 1497
Dimensions 983
Diols 1535
Dip coatings 1081
Directional solidification 1400
Dislocation mobility 711
Dislocation pinning 153
Dislocations 716, 901, 1092, 1256, 1457, 1478
Dispersion hardening 153
Dispersions 716, 1642
Dissimilar material joining 472
Dissolution 944
Distribution 1585
Doors 582
Doping 579
Dosimeters 1267
Ductile fracture 208
Ductility 641, 744, 1717
Dyes 1320
Dynamic modulus of elasticity 842
Dysprosium 1284

E glass 675, 1482
Elastic anisotropy 799, 1261
Elastic constants 56, 514, 613
Electric batteries 738, 1771
Electric contacts 101
Electric current 6
Electric discharge machining 17, 1146
Electric fields 123, 731
Electric polarization 757, 1012
Electrical conductivity 37, 86, 115, 177, 297, 1032, 1121, 1157, 1159, 1426, 1434, 1647, 1673
Electrical impedance 573
Electrical models 569
Electrochemical current 1490
Electrochemistry 84, 602, 927
Electrochromic cells 1490
Electrocoatings 487
Electrode potentials 609
Electrodeposition 1782
Electrodes 602
Electroless coatings 671
Electroluminescence 1513
Electrolysis 20, 573, 1490, 1771
Electromagnetic fields 1066
Electromagnetic shielding 1121
Electron beam heating 96, 1281
Electron cyclotron resonance 1793
Electron density 313
Electron energy loss spectroscopy 1413
Electron field emission 451
Electron mobility 1637
Electron paramagnetic resonance 1476
Electroplates 503, 1465

Electrostriction 799
Elongation 1657
Embrittlement 1007
Emission spectroscopy 1757
Emissivity 528
Emulsification 177
Encapsulation 238
Endothermic reactions 597, 623, 1010
Epitaxial growth 989
Epoxy resins 105, 126, 203, 234, 582, 602, 629, 842, 1027, 1330, 1340, 1392, 1460, 1482, 1524, 1720, 1786
Equiaxed structure 1618
Erbium oxide 615
Etch pitting 1478
Ethylene vinyl acetate 1211
Europium 566, 1032
Europium compounds 697, 1252
Eutectic reactions 1419
Evaporation 1599
Evaporative decomposition 1015
Excitable membranes 1012
Exothermic reactions 1, 597, 868, 1010
Expansion 477
Explosive cladding 773
Extrudability 1622
Extrusion 483
Extrusions 547

Fabrication 338
Face centered cubic lattice 407, 690, 966, 1311
Fatigue (materials) 846, 957, 1551
Fatigue cracking 940, 1027, 1460
Fatigue failure 15, 131, 142, 443, 636
Fatigue life 329, 496, 708, 1270
Fatigue strength 582
Fatigue tests 211
FCC metals 1440, 1521
Feldspars 1287
Ferrites 256, 275, 639, 1416, 1500, 1712, 1715
Ferritic stainless steels 266
Ferroelectric domains 215
Ferroelectric materials 1151, 1151
Ferroelectricity 1577
Ferromagnetism 99, 767
Ferrous alloys 56, 99, 521, 551, 690, 746, 779, 966, 1114, 1141, 1187, 1201, 1208, 1780
Fibre composites 170, 245, 247, 1278
Fibre length 369
Fibre orientation 613
Fibre pull out 1403
Fibre reinforced ceramics 1323
Fibre technology 369, 960, 1017
Fibre volume 1677
Fibrous structure 123, 668, 1042, 1077, 1521
Filled plastics 68, 934
Fillers 43
Filling 361
Fines 190, 256, 533, 749, 1712
Finite element method 10, 465, 613, 629, 1022
Firing 891
Flakes 230
Flame pyrolysis 1111
Flash evaporation 1181
Fluoride glass 885
Fluorine compounds 879
Flux evaporation 369
Focal point 644
Foil 963
Formability 80, 795, 971
Fractionation instruments 872
Fracture strength 541, 1035, 1272
Fracture testing 17, 203, 1038, 1346
Fracture toughness 17, 131, 208, 227, 283, 291, 469, 658, 817, 946, 974, 1038, 1089, 1153, 1219, 1249, 1330, 1334, 1346, 1354, 1494, 1691
Fractures 293, 684, 806, 875, 974, 1314, 1330
Fracturing 1240, 1740
Free energy 1437, 1699
Freezing 1017
Friction 852
Frictional wear 1684
Frit 872
Fuel cells 678
Fused salts 1516
Fusion casting 343

Gadolinium compounds 697, 752
Gadolinium garnet 1164
Gallium arsenide 326, 1192, 1694, 1767
Gamma rays 1190, 1243
Garnets 1164
Gas detectors 719, 1048
Gas flow 860
Gas sensors 1632
Gas tungsten arc welding 1618
Gear teeth 1551
Gelation 258, 1484
Gels 462, 538, 891, 1017
Germanium 215, 1051, 1136
Germanium compounds 1729
Gibbsite 519
Glass 10, 180, 270, 1240, 1558, 1602, 1727, 1760
Glass ceramics 135, 310, 425, 480, 826, 883, 1503
Glass-epoxy composites 912
Glass fibre reinforced ceramics 1403
Glass fibre reinforced plastics 203, 230, 633, 675, 829, 1069, 1422, 1684, 1778
Glass fibres 443, 494, 1482
Glass formation 1054, 1640
Glass transition temperature 77, 126, 236, 842, 885, 1054, 1095, 1352
Glycerine 1235
Gold 944
Grafting 849
Grain boundaries 46, 925, 944, 1789
Grain boundary sliding 1258
Grain growth 453, 653
Grain refinement 1004
Grain size 107, 112, 148, 386, 389, 533, 919, 966, 1175, 1408, 1416, 1451, 1543, 1612
Grains 586, 1457
Graphite 208, 1056, 1127, 1516
Graphite-epoxy composites 613
Graphite fibre reinforced plastics 1635
Grinding 187
Grinding (comminution) 915
Growth 770, 901, 1317, 1588
Growth rate 96, 521, 856, 1430
Guinier Preston zone 1092

Hafnium oxide 1688
Hardness 112, 383, 541, 802, 1019, 1334, 1340, 1395, 1440, 1494, 1506, 1530, 1688
Hardness tests 1346
Heat affected zone 1061, 1618
Heat of adhesion 1211
Heat of crystallization 863, 1072
Heat of mixing 762
Heat of reaction 597
Heat treatment 91, 407, 519
Heating rate 77
Helium 1591
Hexachlorodisilane 1204
Hexagonal lattice 1311
High pressure 395, 1528
High strength low alloy steels 1004
High temperature 395, 817, 1573
Holes 1625
Holmium 1032
Honeycomb construction 203
Hot isostatic pressing 53, 183, 1249, 1469, 1709
Hot pressing 530, 765, 1314, 1510, 1612
Humidity 474
Hybrid composites 234, 641, 1027
Hydration 1232
Hydrides 535, 767, 1208
Hydrogels 1753
Hydrogen 84, 496, 711, 1092, 1561
Hydrogen embrittlement 1187
Hydrogenated carbon 1793
Hydrogenation 1561
Hydrolysis 305
Hydrostatic pressure 200
Hydrothermal growth 1430
Hydrothermal synthesis 533
Hydroxides 538
Hydroxyapatite 1042, 1323
Hysteresis 1670, 1703

Ice crystals 1478
Ilmenite 1428
Immersion coating 1301
Impact strength 1506
Impedance 1159
Inclusions 1293
Indentation 1153
Indium 103, 832, 1670
Indium arsenic phosphide 346
Indium compounds 762, 1181, 1570, 1673, 1725
Indium phosphide 563, 898
Indium selenide 1443
Infrared radiation 1422
Infrared spectroscopy 37, 577, 1139, 1171, 1500, 1749
Ingots 453
Inorganic compounds 1494
Intercalation compounds 1056
Interconnect plates 678
Interface reactions 1215, 1797
Interfaces 245, 443
Interfacial shear strength 105, 1001, 1677, 1720, 1778
Interfacial shear stresses 1524
Interfacial stresses 293
Intergranular fracture 137, 790
Intermetallics 183, 1086, 1114, 1465
Interstitial solutions 1510
Investment casting 416, 1177
Iodides 1769
Iodine compounds 738
Ion beam sputtering 1132, 1192, 1585
Ion beams 427, 1317
Ion channels 569, 1012
Ion clustering 615
Ion exchange resins 660, 1540
Ion implantation 260, 1591
Ion nitriding 352
Ionic radius 1164
Ionic systems 185
Iridium 865, 1775
Iridium base alloys 137, 865
Iridium dioxide 219, 1773
Iron 23, 25, 93, 99, 260, 263, 374, 838, 922, 927, 971, 1056, 1278, 1296, 1357, 1731, 1789
Iron compounds 767, 1114, 1206, 1434, 1567, 1706
Iron oxide 219, 361, 381, 770, 1054
Iron oxyhydroxide 1010
Island growth 1629
Ivory 1042

Kanzig regions 1577
Kikuchi lines 46

Laminates 234, 329, 443, 582, 613, 633, 912, 1027, 1357
Lanthanum 253, 435, 946
Lanthanum aluminate 1222
Lanthanum chromite 678
Lanthanum cobalt oxide 891
Lanthanum compounds 697, 879, 1381
Lanthanum gadolinium barium fluoride 752
Lanthanum nickel oxide 1098
Lanthanum strontium chromate 1664
Lanthanum sulphide 1680
Lapping (finishing) 187
Laser beam ablation 1337
Laser beam cutting 644
Laser beam deposition 3, 49
Laser beam heating 34, 1588
Laser beam melting 457
Laser beam welding 802, 980
Laser processing 123, 551, 773, 985, 989, 1086, 1275
Lasers 146, 213, 1727
Lattice parameters 1, 165, 341, 393, 514, 647, 688, 752, 762, 826, 832, 1104, 1114, 1151, 1164, 1206, 1311, 1314, 1326, 1377, 1500, 1599, 1616, 1657, 1675, 1680
Lattice vacancies 770
Lattice vibration 577
Layers 1281
Lead 508, 1258, 1384, 1465
Lead base alloys 1051
Lead borosilicate glasses 1764
Lead chalcogenides 1675
Lead chromate 341
Lead compounds 135, 554, 741, 875, 1198, 1395, 1519, 1751, 1804
Lead dichloride 1640
Lead fluoride 885
Lead glasses 1367
Lead magnesium niobate 723
Lead manganese cadmium niobium oxide 1151
Lead manganese nickel niobium oxide 1151
Lead manganese zinc niobium oxide 1151
Lead molybdenum sulphide 40
Lead oxide 3, 65, 749, 1054, 1406, 1558
Lead silver sulphide 813
Lead titanate 1364
Lead zirconate titanate 810, 1535
Leakage current 925
Levitation melting 1066
Limestone 1211
Liquid crystal polymers 126, 1095
Liquid flow 872
Liquid metals 508
Liquid phase sintering 977
Liquid phases 725
Lithium 744, 946
Lithium chloride 1056
Lithium ferrite 256
Lithium iodide 573
Lithium lanthanide sulphide 1680
Lithium nickel oxide 1599
Lithium niobate 757
Lithium oxide 310
Lithium zirconium phosphate 129
Long range order 496
Loss modulus 1095
Low alloy steels 802, 980
Low frequency sputtering 1675
Low temperature 1305
Luminescence 528, 566
Luminophores 528
Lutetium 528

Machinability 480
Magnesium 25, 410, 716, 776, 835, 901, 946, 957, 971, 1092, 1127, 1278, 1465
Magnesium aluminium silicate 332, 663, 1361
Magnesium base alloys 744, 1118
Magnesium chloride 1451
Magnesium compounds 180, 505, 723, 1252, 1314, 1451
Magnesium ferrite 275, 1715
Magnesium indium oxide 1673
Magnesium niobate 1682
Magnesium oxide 86, 227, 472, 530, 1254, 1364, 1408, 1487, 1602
Magnesium phthalocyanine 1320
Magnesium zinc ferrite 1712
Magnesium zirconium phosphate 129
Magnetic fields 23, 700
Magnetic moment 693
Magnetic permeability 639, 693, 697, 1416
Magnetization 256, 697, 1703
Magnetoresistivity 346, 500
Manganates 1111
Manganese 250, 435, 496, 528, 716, 728, 971, 1007, 1114, 1780
Manganese base alloys 728
Manganese compounds 799, 1151, 1434, 1706, 1749
Manganese oxide 937
Manganese selenide 703
Manganese telluride 703
Manganese zinc ferrite 639, 1416
Martensite 1506, 1780
Martensitic transformations 107, 389, 483, 1153, 1195
Materials selection 992, 1390
Materials substitution 234
Mathematical models 180, 530, 629, 1179
Matrices (base phases) 535
Mechanical alloying 174, 623, 888, 1201
Mechanical twinning 865
Melt flow index 1622
Melt spinning 117
Melting 980
Melting points 126, 980, 1190, 1440
Melts 1367, 1516
Membranes 338, 494, 813, 895
Mercury 759, 1051
Metal arsenides 1
Metal films 1284
Metal phosphides 1
Metal powders 483, 1243
Metastable phases 1472
Methanol 1567
Mica 425, 480, 1786
Microalloying 1004
Microhardness 34, 73, 263, 447, 496, 985, 1179, 1472, 1729
Microporosity 895
Microspheres 1108
Microstructure 30, 250, 343, 352, 447, 500, 521, 541, 731, 908, 930, 946, 950, 969, 1098, 1104, 1118, 1127, 1226, 1249, 1352, 1384, 1530, 1737
Microwave absorption 700
Microwave sintering 650, 806
Microwaves 1793
Mischmetal 112
Mist decomposition 190
Mixed oxides 227, 310, 343, 538, 589, 615, 950, 1054, 1206, 1564, 1567, 1602, 1647
Mobility 1629
Modulus of elasticity 10, 227, 272, 291, 395, 629, 703, 817, 930, 955, 1022, 1261, 1387, 1397, 1440, 1677, 1778
Modulus of rupture 1395, 1543, 1664
Modulus of rupture in bending 283, 658, 675, 974, 1146, 1330, 1340, 1408, 1546
Moiré fringes 647
Moisture 1390
Moisture content 1235
Moulding (process) 1720
Molecular conformation 849
Molecular structure 365, 1171, 1555
Molybdates 185, 1139
Molybdenum 34, 153, 989, 1004, 1114, 1397
Molybdenum base alloys 472
Molybdenum compounds 40, 868, 1472, 1516, 1567
Molybdenum disulphide 656
Monitoring 438
Monoclinic lattice 225, 1595
Montmorillonite 895
Morphology 222, 305, 684, 790, 1015, 1058, 1077, 1275, 1317, 1361, 1727
MOS capacitors 1533
MOS devices 1764
Mössbauer spectroscopy 1715
Mullite 177, 905, 1072, 1089, 1334, 1354, 1454
Multilayers 419, 705

Nanomaterials 1311
Near net shaping 80
Neodymium 746, 1141
Neodymium barium zinc oxide 577
Neodymium compounds 697, 879
Neodymium oxide 810
Nepheline 393
Nerve membranes 569
Nickel 8, 56, 93, 99, 263, 338, 358, 429, 503, 602, 728, 790, 888, 1056, 1219, 1243, 1246, 1311, 1357, 1465, 1530, 1573, 1625, 1667, 1786
Nickel base alloys 99, 153, 313, 407, 483, 671, 708, 728, 734, 821, 888, 955, 1213, 1215, 1400, 1497, 1608, 1717
Nickel chromium steels 1007
Nickel compounds 183, 767, 1098, 1151, 1206, 1243, 1500, 1599, 1608, 1749
Nickel manganate 1111
Nickel oxide 219, 1124, 1406
Nickel plating 15
Niobates 37, 253, 723, 757, 1381, 1682, 1746
Niobium 8, 594, 1061, 1397
Niobium compounds 1151
Niobium nitride 1226
Niobium oxide 86
Niobium pentachloride 1204
Niobium pentoxide 1487
Niobium silicide 1204
Nitrates 190, 983, 1072, 1419, 1771
Nitration 410, 621
Nitrides 174, 1314
Nitrification 293
Nitrites 579
Nitrogen 135, 410, 560, 713, 895
Nitrogen dioxide 579
Nitrogen monoxide 1540
Nuclear fuel elements 429
Nuclear magnetic resonance 983, 1535
Nucleation 310, 521, 1629
Nylon 1800
Nylon-6 1684
Nylon-66 1190

Ohmic contacts 618
Opacity 3, 82, 146, 832, 893
Optical fibres 1403, 1513
Optoelectronic materials 341
Order disorder 326, 451, 1443
Organic binders 1177
Organic fibre reinforced cements 1800
Organic fibre reinforced plastics 234, 1069, 1524

Organic salts 977
Orientation 1162
Orientation relationships 1061
Orthorhombic lattice 560, 1688
Osmium dioxide 219
Oxidation 105, 404, 650, 656, 680, 1162, 1284, 1301, 1320, 1448, 1573, 1775
Oxidation resistance 266, 378, 996, 1081, 1101, 1618
Oxides 1742
Oxygen 560, 1169

Palladium 84
Palladium base alloys 496
Palladium compounds 1540
Palladium oxide 219
Paraelectricity 1577
Paramagnetism 767
Partial pressure 1169
Partially stabilized zirconia 332, 447, 1169, 1323, 1408, 1546
Particle size 165, 915, 1187, 1697
Particle size distribution 1712
Particulate composites 10, 30, 80, 170, 183, 187, 211, 230, 291, 293, 365, 447, 465, 530, 541, 554, 597, 609, 629, 658, 784, 793, 835, 875, 963, 974, 1019, 1022, 1035, 1056, 1089, 1127, 1146, 1307, 1330, 1340, 1354, 1375, 1392, 1460, 1472, 1516, 1786
Patterning 1337
Penetration 84
Permeability 569, 656
Perovskite structure 891
Peroxides 503
Phase diagram reactions 1742
Phase diagrams 89, 200, 355, 1406
Phase distribution 1650
Phase stability 59, 787, 1487, 1510
Phase transformations 23, 53, 73, 135, 162, 174, 194, 200, 355, 462, 519, 1061, 1465, 1588, 1757
Phases (state of matter) 250, 275, 358, 554, 560, 594, 826, 905, 950, 1022, 1114, 1252, 1555, 1753
Phenolic resins 633
Phosphate glasses 227, 697
Phosphates 129, 528, 533, 566, 905, 1015, 1503, 1782
Phosphor bronzes 1246
Phosphors 1252
Phosphorus 671, 787, 1465
Phosphorus compounds 1254, 1326, 1446, 1749
Photoconductivity 206, 512
Photoelectric effects 103, 341
Photoelectron spectroscopy 1706
Photoemissivity 1670
Photoluminescence 1252, 1570, 1682, 1694
Piezoelectric crystals 1175, 1392
Piezoelectricity 1381
Piles 477
Piperazine 849
Plasma etching 1370
Plasma processing 280, 326, 898, 1793
Plasma spraying 656
Plastic deformation 93
Platinum 338, 432
Platinum oxide 219
Poisson's ratio 10, 629, 912
Polishing (finishing) 793
Polishing (metallography) 238
Poly(decamethylene-4,4'-diphenoxy terephthalate) 1095
Polyacrylamides 1771
Polyacrylates 1482
Polyacrylic acid 891
Polyacrylonitriles 1162, 1448
Polyanilines 365, 1490
Polycarbonates 213, 1352
Polycrystalline films 1632, 1637
Polycrystals 969
Polyenes 738
Polyester resins 203, 230, 829, 934
Polyetheretherketones 329, 1001
Polyetherimides 1778
Polyetherketoneketones 438
Polyethylene terephthalate 934, 1069
Polyethylenes 280, 623, 863, 940, 1524
Polyfilms 684
Polyimides 286, 641
Polyisobutylene polyurethane urea 1390
Polymer blends 126, 863, 1211, 1229, 1352, 1622
Polymer matrix composites 1494
Polymerization 1564
Polymethacrylates 793, 1229
Polymethyl acrylates 545
Polymethyl methacrylate 10, 236, 779
Polyphenylene oxide 213
Polypropylenes 197, 280, 535, 675, 863, 1069, 1211, 1422
Polypyrroles 1121
Polysilanes 1237
Polystyrene latex 1538
Polystyrene resins 1555, 1622, 1642
Polytetrafluoroethylenes 623
Polyurethane resins 1482
Polyurethane thermoplastic elastomers 1390
Polyvinyl acetate 1482
Polyvinyl chloride 849, 1622
Polyvinyl fluoride 71
Polyvinyl phosphonic acid 91
Polyvinyl pyridine 6, 1426
Porosity 59, 222, 270, 494, 806, 1035, 1272, 1538
Porous materials 338, 872
Porous membranes 1077
Portland cement 1159, 1800
Potassium 569, 754
Potassium compounds 1208
Potassium ferricyanide 602
Potassium hexatitanate 369
Potassium hydrogen phthalate 1293
Potassium hydroxide 71
Potassium manganese fluoride 799
Potassium niobate 37
Powder compacts 1118, 1141, 1201, 1612
Powder technology 89, 1746
Powders 1149
Praseodymium 1010
Praseodymium compounds 879, 1381
Praseodymium sulphide 1680
Precipitates 1092, 1213
Precipitation 165, 469, 813, 1058, 1349, 1564
Precipitation hardening 62, 429
Precursors 20, 723, 960, 1162, 1349, 1535
Preferred orientation 1521
Pressure 872
Pressure moulding 1001
Propane 1540
Prosthetics 416
Protective coatings 266, 551
Proton carriers 849
Protons 1032
Pultrusions 675
Pyroelectricity 1392
Pyrolysis 159, 516, 597, 1072, 1237
Pyrophyllite 915

Quantum wells 326, 346
Quartz 68
Quasicrystalline structure 25
Quaternary systems 560, 885
Quenching (cooling) 1246

Radiation crosslinking 1229
Radiation damage 1767
Radio waves 1757
Radioactive tracers 1092
Raman spectroscopy 577, 1171, 1767
Rapid solidification 25, 117, 1384
Rare earth compounds 1680
Reaction kinetics 62, 423, 538, 713, 1237
Reactions (chemical) 71, 1757
Recovery 8
Recrystallization 159, 547, 557, 744
Recycling 934
Reduction (chemical) 713, 779, 1320, 1540
Reflectance 82
Reflectivity 1727
Refractivity 65, 68, 82, 545, 885, 1769
Regression 465
Reinforced cements 283
Reinforced plastics 443
Reinforcing steels 289
Residual stress 633, 1038
Resistivity 34, 96, 101, 241, 253, 386, 419, 618, 705, 776, 829, 925, 937, 985, 1045, 1098, 1198, 1226, 1637, 1786
Resistors 992
Resolution 983
Rhenium 137, 865
Rhodium oxide 219
Roasting 20, 241, 505, 731, 787, 1579
Rolling direction 795
Rotation 1789
Roughness 197, 503, 708, 1146, 1591, 1645
Rubber 10, 629
Rubidium 865
Rupture tests 404
Ruthenium 137, 270
Ruthenium compounds 992, 1688
Ruthenium dioxide 219, 1406, 1773
Rutile 462, 1476

Salt water 1778
Samarium 1032
Samarium compounds 697
Sandwiches 203
Sapphire 1222
Saturation (magnetic) 1206, 1712
Scale (corrosion) 821
Scanning electron microscopy 660, 1551
Scanning probe microscopy 600
Second harmonic generation 545
Segregations 1007
Selenium 525
Selenium base alloys 77, 1136
Selenium compounds 1769
Self fluxing 1582
Semiconductivity 146
Semiconductors 563, 607, 992, 1181
Sensitivity 719
Sensors 206
Serrated yielding 835
Shape memory 1195
Shape memory alloys 23, 483
Shear deformation 930
Shear strength 280, 472
Shear stress 922
Shrinkage 89
Shubnikov de Haas effect 346
Sialons 1101, 1510, 1612
Silica gel 579, 1177
Silica glasses 68, 208, 1038, 1370, 1403, 1513
Silica sol 1538

Silicate glasses 589, 615
Silicates 53, 180, 258, 332, 423, 660, 663, 905, 1058, 1177, 1252, 1254, 1326, 1361, 1367, 1446
Silicides 860, 868, 1472
Silicon 34, 46, 101, 170, 200, 222, 358, 432, 453, 521, 551, 560, 690, 835, 838, 901, 927, 957, 1066, 1086, 1092, 1127, 1222, 1256, 1278, 1296, 1384, 1465, 1497, 1694, 1731
Silicon base alloys 1051
Silicon carbide 49, 80, 170, 211, 395, 474, 541, 663, 680, 817, 835, 901, 930, 957, 974, 1022, 1149, 1237, 1472, 1516, 1645, 1720
Silicon compounds 1314
Silicon dioxide 43, 68, 89, 291, 310, 343, 410, 538, 551, 589, 615, 641, 1072, 1081, 1301, 1370, 1416, 1602, 1661, 1753
Silicon nitride 131, 326, 404, 410, 425, 480, 563, 793, 898, 1101, 1240, 1249, 1469, 1588
Silicone resins 725
Silver 62, 554, 618, 658, 852, 875, 1019, 1048, 1132, 1654
Silver base alloys 500, 944
Silver chromate 1139
Silver compounds 813, 1381
Silver molybdate 185, 1139
Silver nitrate 1771
Silver strontium dioxide 1377
Silver tungstate 1139
Single crystals 215, 263, 741, 799, 922, 1198, 1213, 1591, 1706, 1729
Sintered compacts 187, 386, 469, 678, 810, 1314, 1361, 1543, 1661
Sintering 40, 73, 89, 483, 487, 491, 530, 653, 658, 765, 784, 925, 1072, 1361, 1664, 1673, 1751, 1753
Sintering aids 977, 1469
Sisal fibres 156
Sizing 1482
Sliding friction 474, 1684
Slip 148
Slip casting 1664
Sodium 569, 1012, 1510
Sodium aluminium silicate 660
Sodium borate 1367
Sodium niobate 37
Sodium nitrate 1419
Sodium oxide 937
Sodium silicate 1367
Sodium tetraborate glasses 1157, 1171
Sodium titanium phosphate 533
Sodium zirconium phosphate 1015
Sol gel process 258, 316, 413, 462, 516, 579, 589, 641, 668, 895, 1081, 1089, 1106, 1108, 1149, 1364, 1484, 1535, 1661, 1773, 1804
Sol spraying 491
Solar furnaces 1608
Solar generators 319
Solar heating 1472
Solders 1387
Solid oxide fuel cells 1124
Solid solubility 1528
Solid solutions 393, 762, 776, 966, 1564, 1673
Sols 784, 1077
Solvent extraction 996
Soot 996
Sorption 1635
Sound velocity 759
Sound waves 759
Spacing 1720
Spatial distribution 1513
Specific surface 413
Specimen preparation 1201
Spheroidizing 1506
Spherulites 940
Spin glasses 23
Spinel 1673, 1715
Spinodal decomposition 1699
Spiral growth 1108
Splitting 305
Spray drying 749
Spray pyrolysis 381, 1045
Sprayed coatings 656
Sprayed films 1045
Sputtered coatings 989, 1775
Sputtered films 500, 1098, 1226, 1311, 1667
Stainless steels 759, 793, 1323
Stamping 971
Stannates 335, 618, 647, 1616
Statistical analysis 1677
Statistical distributions 1625
Steam curing 477
Steels 93, 1551
Stereomicroscopy 1555
Stirring 754
Stoichiometry 323, 371
Strain 829, 969, 1293, 1354, 1524
Strain gauges 992
Strain hardening 795, 1296
Strain rate 1387, 1740
Stress analysis 465
Stress concentration 10, 1022
Stress corrosion cracking 383
Stress cracking 1153
Stress intensity 17, 291, 404, 846
Stress relaxation 236, 934, 1469
Stress strain curves 148, 684, 1403, 1780, 1800
Strontium 560
Strontium barium niobate 1746
Strontium cerate 1032
Strontium compounds 135, 241, 554, 594, 741, 826, 852, 875, 1198, 1252, 1377, 1519, 1582, 1664, 1751
Strontium copper niobate 253
Strontium fluoride 799
Strontium magnesium aluminium silicate 180
Strontium manganate 1111
Strontium oxide 678, 731
Strontium stannate 1616
Strontium tartrate tetrahydrate 263
Strontium titanate 1789
Styrene 934
Styrene butadiene resins 349
Substitutional solid solutions 752, 1051
Sulphates 934, 1430, 1757
Sulphur 374
Sulphur dioxide 1573
Sulphuric acid 260
Sulphurization 551
Superalloys 153, 551, 708, 734, 1187, 1213, 1400, 1608
Superconductors 135, 554, 586, 594, 647, 668, 693, 700, 741, 752, 826, 852, 1019, 1108, 1198, 1222, 1337, 1340, 1377, 1582, 1703, 1751
Supercooling 1367
Superionic solids 1139
Superplasticity 1169, 1561, 1806
Supersaturation 1437
Surface area 59, 135, 275, 915, 1579, 1712
Surface chemistry 427
Surface energy 46, 535
Surface finish 15
Surface grinding 708, 1546
Surface reduction 1567
Surface resistance 609
Surface structure 600, 602, 1101, 1132, 1629
Surfactants 1428
Surgical implants 142, 159, 1390, 1782
Synchrotron energy-dispersive diffraction 1232
Synthetic rubber 349, 1330, 1460
Tantalum 594, 888, 1400
Tantalum base alloys 888
Tantalum carbide 20
Tantalum compounds 174, 378
Tearing 349
Tellurium 77, 1051, 1654
Tellurium dioxide 1558, 1640, 1760
Tensile properties 795, 1403
Tensile strength 105, 234, 305, 389, 395, 641, 680, 934, 963, 971, 985, 1027, 1118, 1187, 1229, 1305, 1330, 1387, 1677, 1731, 1778
Tensile stress 1270, 1469
Tension 272
Tension tests 107, 1038, 1346
Terbium oxide 1267
Ternary systems 358, 1406, 1558, 1640
Tetragonal lattice 225, 1595
Tetragonal zirconia polycrystals 187, 211, 846, 974, 1408
Texture 453, 547, 971, 1521, 1538
Thermal barriers 1595
Thermal conductivity 129
Thermal diffusivity 129, 1697
Thermal expansion 332, 393, 416, 641, 950, 1175, 1190, 1657, 1786
Thermal stability 413, 435, 879, 1106, 1377
Thermal stresses 34
Thermodynamics 151
Thermoelectricity 185
Thermography 1422
Thermoluminescence 1267
Thermolysis 1680
Thermomechanical treatment 8, 835
Thick films 806, 992
Thickness 703
Thin films 3, 49, 65, 103, 146, 206, 286, 500, 512, 521, 832, 893, 1048, 1181, 1204, 1275, 1364, 1443, 1629, 1675, 1725, 1804
Thixotropy 1323
Thorium compounds 225
Thorium dioxide 86, 1185
Thorium nitride 1185
Threads (filaments) 1413
Thulium 1032
Tin 335, 427, 457, 1051, 1667
Tin base alloys 1258, 1387, 1465
Tin compounds 386, 1616
Tin dioxide 1632, 1647
Tin oxide 1048
Tin selenide 512
Tin telluride 82
Titanates 165, 190, 369, 806, 810, 1038, 1290, 1364, 1392, 1451, 1535, 1789, 1804
Titania gel 1106
Titanium 25, 159, 162, 200, 250, 323, 355, 371, 416, 472, 787, 908, 1311, 1357, 1384, 1400, 1782
Titanium base alloys 8, 25, 407, 457, 838, 955, 1061, 1397, 1561, 1782
Titanium carbide 323, 487, 516, 963, 1219, 1375, 1530
Titanium compounds 533, 860, 905, 1535
Titanium diboride 30, 293, 371, 487, 597, 790
Titanium dioxide 59, 316, 462, 765, 950, 1171, 1211, 1261, 1301, ,1406, 1428, 1595
Titanium nitride 1317
Titanium oxynitrate 190
Titanium silicide 1657
Titanium tetra isobutozide 1106
Titanyl sulphate 1430
Topography 690, 1293, 1585, 1667
Topology 1645
Toughness 1019
Transgranular fracture 137
Transition metals 151

Transition temperature (superconductivity) 1519, 1751
Transmission electron microscopy 46, 238, 1201, 1555
Tribology 1370
TTT curves 1007
Tungstates 1139
Tungsten 34, 153, 238, 247, 508, 759, 865, 989, 1400, 1497, 1742
Tungsten bronze 832
Tungsten carbide 17, 1530, 1691, 1742
Tungsten oxide 365, 937
Twinning 838, 1650

Ultrafines 275, 462, 688, 779, 1111, 1208, 1588, 1715, 1773
Ultrasonic testing 310
Ultrasonic vibration 15
Ultraviolet radiation 1267
Unit cell 752, 879, 1326
Uranium dioxide 1035, 1185
Uranium nitride 1185
Uranium trioxide 1171
Urea resins 1072
Urethane resins 1494

Vacuum deposited films 703, 832
Vanadates 215
Vanadium 457, 594, 1004, 1296, 1397, 1561, 1731, 1516
Vanadium pentoxide 1144
Vapour deposited coatings 508, 1179
Vapour deposited films 525, 1144, 1317, 1320, 1694, 1737
Vapour phases 374, 1599
Vapour pressure 1343, 1570
Vaporization 1343
Varistors 731, 925, 937
Viscosity 1323, 1352, 1367, 1642
Void ratio 912
Volume 180, 1688

Washing 177
Water 283, 395, 1159, 1635
Water vapour 1454
Wear 1370
Wear rate 474, 663
Wear resistance 230, 1086
Weathering 675
Weibull modulus 469, 1375, 1543
Weight loss 915
Weight reduction 234
Weld metal 194
Weldability 773
Welded joints 802, 1618
Wet powder spraying 1124
Wettability 400, 592
Whisker composites 131, 817, 901, 930, 957, 1249, 1731, 1797
White iron 112
Wings (aircraft) 582
Wire 247
Wollastonite 425, 480
Wood 644

X ray diffraction 660, 1058, 1104, 1307, 1354, 1500
X ray spectroscopy 586
X rays 1558

Yield 374, 1192, 1243
Yield strength 383, 389, 919, 922, 963, 1305, 1397
Yield stress 496
Yttrium 410, 1118
Yttrium barium copper stannate 647
Yttrium barium cuprate 119, 586, 668, 693, 700, 1019, 1108, 1222, 1337, 1340, 1650, 1654, 1703
Yttrium compounds 879, 1540, 1595
Yttrium fluoride 885
Yttrium oxide 187, 211, 332, 404, 447, 846, 960, 974, 1153, 1169, 1249, 1349, 1408, 1469, 1753

Zinc 23, 170, 716, 776, 1118, 1195, 1278
Zinc base alloys 541, 1733
Zinc borophosphosilicate glasses 1254, 1446, 1533
Zinc cadmium selenide 1637
Zinc compounds 577, 639, 1151, 1206, 1416, 1712
Zinc fluoride 885, 1558
Zinc oxide 91, 103, 400, 494, 719, 731, 925, 1640, 1737
Zircon 1661
Zirconates 810, 1535
Zirconia toughened alumina 469, 1334, 1354, 1546
Zirconium 472, 716, 744, 787, 946, 1278
Zirconium base alloys 117, 151
Zirconium compounds 516, 767, 1015, 1326, 1595
Zirconium dioxide 68, 183, 187, 208, 211, 266, 332, 343, 447, 472, 494, 514, 538, 592, 597, 658, 784, 846, 950, 960, 974, 1017, 1098, 1124, 1153, 1169, 1215, 1261, 1272, 1323, 1408, 1546, 1564, 1579, 1642, 1661, 1753
Zirconium oxide 332
Zirconium phosphate 129, 566